

PATENT ABSTRACTS OF JAPAN

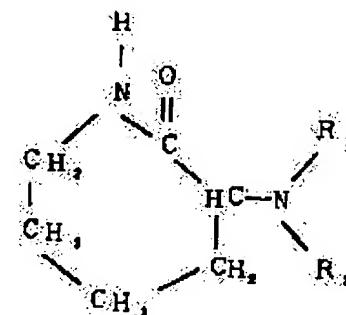
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C08F 2/48(21) Application number : **58-023479**(71) Applicant : **TORAY IND INC**(22) Date of filing : **15.02.1983**(72) Inventor : **FUJIKAWA JUNICHI
KASHIO SHIGETORA****(54) PHOTOSENSITIVE RESIN COMPOSITION****(57) Abstract:**

PURPOSE: To improve image reproducibility and durability by compounding a saponified polyvinyl acetate, a photopolymerizable monomer having an ethylenic unsatd. bond in a molecule, and a specific caprolactam.

CONSTITUTION: This compsn. is formed of (A) 100pts.wt. fully hydrolyzed or partially saponified polyvinyl acetate having 50W100mol% degree of saponification, (B) 20W200pts.wt. a photopolymerizable monomer having an ethylenic unsatd. bond in a molecule, and (C) 1W50pts.wt. α -N-dialkylamino-ε-caprolactam expressed by the formula (in which R₁, R₂ are an alkyl group of C1-15 such as methyl, ethyl or the like, R₁ and R₂ may be the same or different). Water solubility decreases considerably if the degree of saponification of the saponified polyvinyl acetate used as the component (A) is <50mol%. Substantial image reproducibility is unobtainable if the amt. of the component (B) to be used is <20pts.wt. and the relief is brittle if said amt. exceeds conversely 200pts.wt. The above-mentioned photosensitive compsn. has a high degree of image reproducibility and durability.

**LEGAL STATUS**

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TITLE: PHOTOSENSITIVE RESIN COMPOSITION

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INVENTOR-INFORMATION:

NAME	COUNTRY
FUJIKAWA, JUNICHI	
KASHIO, SHIGETORA	

ASSIGNEE-INFORMATION:

NAME	COUNTRY
TORAY IND INC	

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ABSTRACT:

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